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Uchenye Zapiski Kabardino-Balkarsk. un-t. Ser. fiz.-matem. n. 1977. 19.

Shurikov, V. S.

Resolution of the Cauchy problem by the Fabini method

Uchenye Zapiski Kabardino-Balkarsk. un-t. Ser. fiz.-matem. n. 1977. 19.

Cauchy problem, Volterra equation, linear differential equation of order

The following two homogeneous linear differential equations of order

$$L_1(y) = \sum_{k=0}^n a_k(x) y^{(k)} = 0$$

and

$$L_2(y) = \sum_{k=0}^n b_k(x) y^{(k)} = 0$$

ACCESSION NR: AR5013626

Let the fundamental system $y_1(x), y_2(x), \dots, y_n(x)$ of Eq. (1) be known. Then Eq. (1) in the form of an inhomogeneous equation

$$L_1(y) = \sum_{k=0}^n A_k(x) y^{(k)}, \quad (2)$$

where

$$A_k(x) = a_k(x) - p_k(x) \quad (k=0, 1, \dots, n)$$

Applying to Eq. (3) the method of variation of the arbitrary constants. Use of this method leads to a solution of an integral Volterra equation of the second kind

$$u(x) = \int_{x_0}^x K(x, \xi) u(\xi) d\xi + g(x)$$

the solution of Cauchy problem for Eq. (1) with initial conditions

$$y(x_0) = y_0, \quad y'(x_0) = y_0', \quad \dots, \quad y^{(n-1)}(x_0) = y_0^{(n-1)}$$

$$y(x_0) = y_0, \quad y'(x_0) = y_0', \quad \dots, \quad y^{(n-1)}(x_0) = y_0^{(n-1)}$$

ACC NR: AP7005598

SOURCE CODE: UR/0413/67/000/002/0029/0029

INVENTOR: Adler, M. V.; Churikov, Ye. P.; Frenk, M. Ts.

ORG: None

TITLE: A turbocooler for air conditioning systems. Class 17, No. 190376

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 29

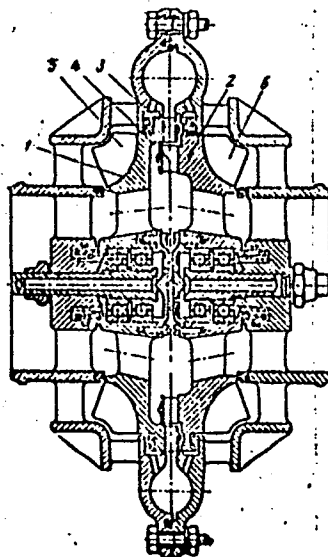
TOPIC TAGS: air conditioning equipment, turbine blade, cooling

ABSTRACT: This Author's Certificate introduces a turbocooler for air conditioning systems. The installation contains a sectional housing with guide vane assembly in the plane of symmetry and cantilever axles with discs mounted on them. The operational reliability of the unit is increased without loss of efficiency by reducing the rotational speed. The discs have turbine-type working blades located radially one after the other in the plane of symmetry of the housing at an angle which produces opposing rotation. Deceleration blades are mounted on the external sides of the discs.

Card 1/2

IMP. 621 5701576 600 12 01 100

ACC NR: AP7005598



1 and 2--rotor discs; 3 and 4--turbine blades; 5 and 6--deceleration blades

SUB CODE: 13/ SUBM DATE: 22May65

ACC NR: AP6035941

SOURCE CODE: UR/0413/66/000/020/0199/0199

INVENTOR: Adler, M. V.; Gorbachev, L. M.; Lapavok, V. S.; Loychev, S. V.; Sokolov, G. I.; Frenk, M. Ts.; Churikov, Ye. P.

ORG: none

TITLE: Ventilating unit for aircraft. Class 62, No. 187540

SOURCE: Izobreteniya, promyshlennyye obraztsey, tovarnyye znaki, no. 20, 1966, 199

TOPIC TAGS: aircraft cabin environment, aircraft cabin equipment, centrifugal blower, air conditioning equipment

ABSTRACT: An Author Certificate has been issued for a ventilating unit for aircraft which contains a fan with a drive. To assure the unit's efficient operation in ground-based and airborne applications, the fan is mounted on a separate shaft and is operated by an electric drive through an axial over-riding clutch; a centrifugal clutch is used for operation on turbine drive. [WA-98]

SUB CODE: 01, 13/ SUBM DATE: 10Feb64

Card 1/1

UDC: 629.13.01/06

L 65055-65 EWT(1)/EWP(f)/EWG(m)/T-2/ETC(m) WW
 ASSOCIATION NR AP5021991

12-0067/0067

Author: Sokolov, G. I.; Adler, M. V.; Borisovets, F. M.; Zhurav, A. P.

21
B

... SYSTEM ...

... izobreteniy i tovarnykh znakov, ...

... aircraft cockpit cooling, cooling system turb fan, radial turbine

ABSTRACT: An Author Certificate has been issued for a turbofan for the air-cooling system of an air-tight cockpit or compartments of an aircraft. The unit consists of a fan, radial turbines, and a fan, cantilevered ... mounted on ... For improved cooling and to provide ... the space in the unit ... by a cylindrical ... At the end of ... the cavity connects to the ... [LB]

ASSOCIATION: Organizatsiya ministerstva po aviatsionnoy tekhnike SSSR (Organization of the Ministry on Aviation technology, SSSR)
 Card 1/3

1 65 19 65

105 1231

SUBMITTED: 22Aug64

ENCL: 01

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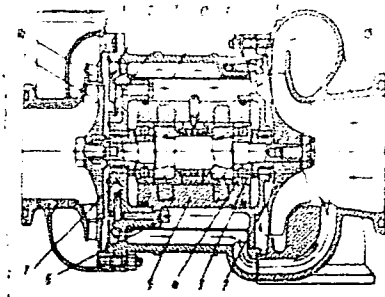


Fig. 1. Turbofan

1 - Turbine; 2 - fan; 3, 4 - shaft with ball bearings;
5, 6 - casing with attachment bolts; 7 - turbofan cas-
ing; 8, 9 - diaphragm with attachment screws; 10 - cup;
11 - deflector; 12 - screen; 13 - turbine distribution
ring; 14 - nozzle vane; 15 - fan distributing ring.

Card 3/3

KLIMENKO, N.M.; KRYLOVA, Ye.N.; MIKHALEVA, N.M.; CHURIKOV, Yu.I.; DYATKINA, M.Ye.

Computation of dicentric Coulomb integrals including 3d-, 4s-, and
4p orbitals. Zhur. struk. khim. 6 no.3:407-421 My-Je '65.

(MIRA 18:8)

1. Institut obshchey i neorganicheskoy khimii imeni N.S.Kurnakova
AN SSSR i Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
M.V.Lomonosova.

PIVEN', P.K., red.; BARYSHNIKOVA, N.I., red.; PROTOPOPOVA, V.M., red.;
IVANOVA, Yu.I., red.; CHEREPANOVA, N.A., red.; KOSTKO, R.P., red.;
PETROVA, O.Ye., red.; SYCHEVA, G.F., red.; CHURIKOVA, A.K., red.;
POZDEYEV, A.P., tekhn.red.

[Economy of Tyumen Province] Narodnoe khoziaistvo Tiimenskoi
oblasti. Omsk, Gos.stat.izd-vo, 1958. 198 p. (MIRA 12:3)

1. Tyumen oblast'. Statisticheskoye upravleniye. 2. Nachal'nik
statisticheskogo upravleniya Tyumenskoy oblasti (for Piven').
(Tyumen Province--Economic conditions)

KOSTOMAROV, V.N.; GURLEVA, S.I.; CHURIKOVA, E.K.

Protecting veneer raw material from cracking and decay. Der. prom.
12 no.10:21-23 0 '63. (MIRA 16:10)

ZAFRANSKIY, Yu.N.; BANDURINA, K.V.; CHURIKOVA, I.A.; Primala uchastiye;
BAZANOVA, N.I.

Vapor - liquid equilibrium of the system isopropylbenzene - α -methyl-
styrene. Zhur.prikl.khim. 37 no.1:230-231 Ja '64. (MIRA 17:2)

1. Krasnoyarskiy zavod sinteticheskogo kauchuka.

CHERDYNTSEV, V.V.; ALEKSEYEV, V.A.; KIND, N.V.; POROVA, V.S.; ZAVEL'SKIY, V.S.;
SULERZHITSKIY, L.D.; CHURIKOVA, I.V.

Radiocarbon data of the Laboratory of the Geological Institute
of the U.S.S.R. Geokhimiia no. 12:1410-1422 D '65
(MIRA 19:1)

1. Geologicheskii institut AN SSSR, Moskva. Submitted April 20,
1965.

IVANOV, A.G.; KRUCHININA, Ye. V.; FOMKIN, F.F.; CHURILIN, A.A.; TRUSOVA,
L.P.; ASTROV, Ye. I.; BIRYUKOVA, V.N.

Increasing the performance and operational indices of saws. Der.
prom. 7 no. 5:8-12 My '58. (MIRA 11:7)

(Saws)

CHURILIN, I.

24080

CHURILIN, I. Tvorchestvo (O Tokarenovatore N. Funtikove. Ocherk). Rodnoy Kray (Kalinin), No. 3, 1948. (Na obl: 1949), S. 89-107.

SO: Letopis, No. 32, 1949.

DAVIDOV, Samuil Uriyevich; KOPYLOVA, Anastasiya Korneyevna; SAFONOV, Anatoliy Fedorovich; CHURILIN, I.N., red.; POLYACHEK, Ya.G., red.; SHVETSOV, V.G., red. ~~1zd-va~~; KOZLENKOVA, Ye.I., tekhn. red.

[Technology, sanitation and hygiene of sausage production]
Tekhnologiya, sanitariia i gigiena kolbasnogo proizvodstva.
Moskva, Izd-vo TSentrsoiuz, 1962. 151 p. (MIRA 15:4)
(Sausages) (Meat industry—Hygienic aspects)

CHURILKIN, N.

What should a meat combine be like? Mias.ind.SSSR 31 no.3:7-11.
'60. (MIRA 13:9)

1. Gosstroy SSSR.

(Meat industry)

CHURILKIN, N.

What were the results of the contest for factory designs in the meat industry? Mias.ind.SSSR 32 no.2:23-29 '61. (MIRA 14:7)

1. Gosstroy SSSR.

(Meat industry); (Factories—Design and construction)

SUVOROV, G.; KHINKIS, A.; CHURILIN, M.

First to win the title. Metallurg 6 no.7:27-29 J1 '61.

(MIRA 14:6)

1. Magnitogorskiy metallurgicheskiy gombinat.
(Magnitogorsk--Metallurgical plants)

CHURILIN, M.A.; PSHENICHNYY, L.V.

Features of the spatial distribution of endogenic mineralization
in relation to intrusions. Razved. i okh. nedr 27 no.10:15-22
0 '61. (MIRA 15:3)

1. Zapadno-Sibirskoye geologicheskoye upravleniye.
(Ore deposits)

CHURILIN, Nikolay Erastovich; GLINNER, R.G., nauchn. red.;
MORSINA, L.A., red.

[Handbook on the organization and equipment of the
technological study room in enterprises for the produc-
tion of rubber goods; methodological textbook] Rukovodstvo
po organizatsii i oborudovaniu tekhnologicheskogo kabi-
neta na predpriatiakh po proizvodstvu rezinovykh izdelii;
metodicheskoe posobie. Moskva, Vysshaia shkola, 1965. 74 p.
(MIRA 18:7)

CHURILIN, N.S.

~~XXXXXXXXXXXX~~
[Chemical foam dampers for locomotive boilers] Khimicheskie penogashiteli
dlya parovoznykh kotlov. Moskva, Gos. transp. shel-dor. izd-vo, 1953. 23 p.
(MLRA 6:10)
(Locomotive boilers)

CHURILIN N.S.
VEDENKIN, S.G., professor; KHLEBNIKOV, G.K., kandidat tekhnicheskikh nauk;
CHURILIN, N.S., kandidat tekhnicheskikh nauk.

Using sulfurous diesel fuels in TE2 diesel locomotives. Vest.TSNII
MPS no.1:13-18 # 157. (MLRA 10:3)
(Locomotives--Fuel consumption)

11238-66EWI(m)/T WE		SOURCE CODE: UR/0231/65/000/008/0023/0024	
ACC NR: AP6001463		55	
AUTHOR: Churilin, N. S. (Candidate of technical sciences); Stepanova, V. V. (Engineer)		55	
ORG: none*		39 B	
TITLE: Existent gums in diesel fuels , 55			
SOURCE: *Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta. Vestnik, no. 8, 1965, 23-24			
TOPIC TAGS: diesel fuel, fuel, fuel gumming property, test method			
ABSTRACT: A rapid, simple, and convenient colorimetric method of estimating existent gums in diesel fuels has been developed. The method consists of comparing the color of a filtered fuel sample with the colors of standard indicator solutions formulated to match the colors of fuels with various existent gum levels. In contrast to the time-consuming 12-hr conventional method, the colorimetric method takes but a few minutes, and requires no special expensive equipment and no special skills. The method is designed for fresh fuels free of organic dyes. The existent gum range of the method is <20 to> 100 mg/100 ml fuel. Preparation of the standard solutions and the required equipment are described in the original article. It is claimed that widespread acceptance of this method will exclude the possibility of receiving low-quality fuel.			
Card 1/2		UDC: 625.282-843.6:621.436.1	
		[SM]	

L 11238-66

ACC NR: AP6001463

SUB CODE: 21/ SUBM DATE: none/ ATD PRESS: 4/73

30

Card 2/2

CHURILIN, S.M., kandidat tekhnicheskikh nauk.

An effective agent. Nauka i zhizn' 20 no.12:31 D '53.

(MLRA 6:12)

(Locomotive boilers)

ADERIKHIN, P.G.; CHORTILINA, Yu.G.

Change in the mineral phosphate content in drying soils. Nauch.
dokl.vys.shkoly; biol.nauki no.4:196-200 '65.

(MIRA 18:10)

1. Rekomendovana kafedroy pochvovedeniya Voronezhskogo
gosudarstvennogo universiteta.

TIKHOVA, Ye.P.; CHURILINA, Yu. G.

Effect of subsoiling on the physicochemical and physical properties of soils on the "Razdol'ye" State Farm in Voronezh Province. Nauch. dokl. vys. shkoly; biol. nauki no.3:199-203 '60.

(MIRA 13:8)

1. Rekomendovana kafedroy pochvovedeniya Voronezhskogo gosudarstvennogo universiteta.

(Voronezh Province--Soils)

(Tillage)

ADERIKHIN, P.G.; TIKHOVA, Ye.P.; CHURILINA, Yu.G.

Phosphorus forms in the soils of Central Chernozem Provinces.
Pochvovedenie no.7:68-74 J1 '64. (MIRA 17:8)

1. Voronezhskiy gosudarstvennyy universitet.

CHURILKIN, N.

Motion pictures. Sel'. stroi. 12 no.3:3 of cover Mr '58.

(MIRA 11:3)

1. Glavnyy inzhener otдела tekhninformatsii Gosstroya SSR.

(Motion pictures in industry)

CHURILKIN, N., inzh.

Film about new techniques in mine building. Shakht.stroi. no.12:31
' 58. (MIRA 11:12)

(Mining engineering) (Motion pictures in industry)

CHURILKINA, V., kand. tekhn. nauk

They should sparkle. Izobr. i rats. no.4:21,33 '63.

(MIRA 16:7)

1. Zaveduyushchaya laboratoriyey bytovoy khimii Nauchno-
issledovatel'skogo tekhnokhimicheskogo instituta.
(Windows—Cleaning)

PROCESSING AND PROPERTIES INDEX	
<p>EA CHURILKINA, V.F.</p>	<p>Determination of acetate ion in copper acetates. G. P. Luchinskii and V. F. Churilkina. <i>Zashchita</i> Lab. 9, 202-8 (1940). Dissolve 1 g. of an acetate, such as Paris green, in 30 ml. NH_4SO_4, and add H_2CO_3 suspension until the blue color changes to green, heat to boiling, boil for 10 min. and filter hot. Wash the ppt. 3 times with hot water, acidify the filtrate (and washings) with 10 ml. HCl and heat to boiling. Stir and add 50 ml. of hot 20% H_2SO_4, let settle, filter, wash, dry and ignite. One g. H_2SO_4 corresponds to 0.5057 g. CH_3COO. B. Z. Kamich.</p>
<p>ASAC. S.A. METALLURGICAL LITERATURE CLASSIFICATION</p>	
<p>SHOW SYMBOLS</p>	
<p>SHOW SYMBOLS</p>	

CHURILKINA, V. F.

Manufacture of Paris green. 1. Preparation by the oxidation method. G. P. Luchinskii and V. F. Churilkina. *J. Applied Chem.* (U. S. S. R.) 13: 307-73 (in German, 373) (1940).—A mixt. of CuO 31.4, As_2O_3 58.6 and AcOH 118 g. was boiled for 2 hrs. under a reflux condenser, yielding Paris green contg. As_2O_3 55.3, water-sol. As_2O_3 1.92, CuO 30.8 and As_2O_3 0.4%. The scheme of industrial process is given. The reaction is $4\text{CuO} + 3\text{As}_2\text{O}_3 + 2\text{AcOH} = 3\text{Cu}(\text{AsO}_2)_2 + \text{Cu}(\text{OAc})_2 + \text{H}_2\text{O}$.
A. A. Podgorny

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

TEST AND PROPERTIES INDEX																									
COMMON ELEMENTS													PROCESSES AND PROPERTIES INDEX												
CHURILKINA, V. F.													13												
<p>Manufacture of Paris green. II. Preparation by the acetate method. G. P. Luchinskii and V. F. Churilkina. <i>J. Applied Chem.</i> (U. S. S. R.) 13, 558-64 (in German, 564) (1940); cf. <i>C. d.</i> 34, 8169¹.—A mixt. of 3 mols. As_2O_3 and 4 mols. $Cu(OAc)_2$ in water was boiled under reflux condenser, then neutralized with slaked lime; the Paris green formed was filtered out, washed with water and dried. The reaction is $3As_2O_3 + 4Cu(OAc)_2 + 3CaO = 3Cu(AsO_3)_2 + 3Ca(OAc)_2$. $Cu(AsO_3)_2$ cannot be used for the prepn. of Paris green, because the product is extremely contaminated. A. A. P.</p>																									
AS 50.35.4 METALLURGICAL LITERATURE CLASSIFICATION																									

CHURILKINA, V.F.

Ca

13

V.F. CHURILKINA

Manufacture of Paris green. III. Solubility and hydrolysis of Paris green. G. P. Luchinskii and V. F. Churilkina. *J. Applied Chem.* (U. S. S. R.) 13, 1580 (1940); (in French, 1594-5) (1940); cf. C. A. 35, 843. Paris green did not dissolve in water but hydrolyzed in part, probably according to $\text{Cu}_3(\text{As}_2\text{O}_3)_2 \cdot \text{Cu}(\text{AcO})_2 + \text{H}_2\text{O} \rightarrow \text{Cu}_2(\text{OH})_2(\text{As}_2\text{O}_3)_2 \cdot \text{Cu}(\text{AcO})_2 + \text{As}_2\text{O}_3$. Hydrolysis proceeded regularly in time and did not decrease even on splitting off 26% of the total As_2O_3 . The fact of removal of As_2O_3 during hydrolysis cannot be used as an index for quality of Paris green. The so-called water-sol. As_2O_3 is a conventional and arbitrary nomenclature and has no value for the classification of the product. Paris green cannot be prepd. in pure form by pptn. in an aq. medium. Paris green is sol. in an aq. soln. of AcOH, with partial sepn. of $\text{Cu}(\text{OAc})_2$; the soly. depends on the compn. of AcOH and is max. (1.1%) in 20% soln. Pure Paris green can be prepd. by the pptn. from the soln. contg. AcOH and $\text{Cu}(\text{OAc})_2$.
A. A. Podgorny

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

CHURILKINA, V.F.

Influence of the abrasive composition on polishing properties
of buffing paste. Trudy NIIKHP no.4:32-36 '56. (MYRA 11:4)
(Abrasives)

CHURILOV, A.A.

ROZENTRETER, B.A.; CHURILOV, A.A.

Use of narrow-range equipment units in the Donets Basin. Ugol'
33 no.4:8-14 Ap '58. (MIRA 11:4)
(Donets Basin--Coal mining machinery)

Churilov, A.A.

24(5)

PHASE I BOOK EXPLOITATION NOV/1944

Академия наук СССР. Институт горного дела

Несколько проблем в области и разрабатки неосторожно пометить
использовать (Scientific Problems in Developing and Exploiting
Mineral Deposits) Moscow, Izd-vo AN SSSR, 1959. 333 p. 3,000
copies printed. Errata slip inserted.

Reep. M.I. E.V. Melnikov, Corresponding Member, USSR Academy of
Sciences; M. of Publishing House: Yu.F. Vasil'yev; Tech. M.I.
P.S. Kashina.

FOREWORD: This book is intended for coal and ore mining engineers.

CONTENTS: The collection of articles reports on the results of sci-
entific studies conducted by members of the Institute of Mining In-
dustries of the AN SSSR on problems of developing and exploiting
coal and ore deposits. The book is divided into two parts. Part I
deals with the development and exploitation of deposits, the
treatment of deposits, and the development and exploitation of
the scientific bases and principles applied in selecting methods
and methods for different natural conditions, the determining of
the basis of deposits in the use of modern mechanized equipment
in underground development, and the preparation and exploitation
of coal. Part II is devoted to problems in the development and
exploitation of ore deposits; the draining and mining methods
used in underground exploitation; the draining and mining methods
KMA (Kuznetsovskaya Magnitnaya Anomaliya); the open pit mining method used in
exploiting the rich KMA area; the determination of size of ore,
and further ore dressing. The book is intended to Academics
Lav Dmitriyevich Shevchuk, mining engineer. The articles are
accompanied by diagrams, tables, and bibliographic references.

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Scientific Problems (Cont.)

NOV/1944

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Card 4/7

3

ROZENTRETER, B.A.; USTINOV, M.I.; CHURILOV, A.A.; POPOVA, Ye.G.;
POSAZHENNIKOVA, N.A.

Problems of planning mines with a block layout of opening up the
deposit in the Donetsk Basin. Gor. i ekon. vop. razrab. ugol'. i
rud. mest. no.1:82-94 '62. (MIRA 16:7)
(Donetsk Basin--Mining engineering)

CHURILOV, A.A.

Methodology of a computed calculation of the cost of 1 tkm transported along stratified haulage drifts in steep seams of the Donets Basin. Gor. i ekon. vop. razrab. ugol'. i rud. mest. no.1:140-145 '62. (MIRA 16:7)

(Donets Basin--Mine haulage--Costs)

ROZENTRETER, B.A., doktor tekhn.nauk; GOLOMOLZIN, V.I., kand.tekhn.nauk;
KURNOSOV, A.M., kand.tekhn.nauk; USTINOV, M.I., gornyy inzh.;
CHURILOV, A.A., gornyy inzh.; MASHKOVTSSEV, I.L., gornyy inzh.;
POSZHENNKOVA, N.A., gornyy inzh.

Determining the parameters of a mine in working a series of
thin and medium-thick flast seams. Nauch.sob.Inst.gor.dela
7:6-17 '61. (MIRA 15:1)
(Donets Basin--Mining engineering)

CHURILOV, A.A., kand. tekhn. nauk

Determination of the expediency of joint mining of two steep
seams. Nauch. soob. IGD 20:81-88 '63. (MIRA 16:10)

(Coal mines and mining)

KURNOSOV, Anatoliy Mikhaylovich, kand. tekhn. nauk; ROZENTRATER, Boris Aleksandrovich, doktor tekhn. nauk; USTINOV, Mikhail Ivanovich, kand. tekhn. nauk. Prinimali uchastie: CHURILOV, A.A., kand. tekhn. nauk; CHERNITSIN, Ye.A., gorn. inzh.; ZVYAGIN, P.Z., doktor tekhn. nauk; POPOVA, Ye.G., gorn. inzh.; SELETSKIY, R.A., kand. tekhn. nauk; GOLOKOLZIN, V.I., kand. tekhn. nauk; SHEVYAKOV, L.D., akademik, otv. red. [deceased]; SUDOPLATOV, A.P., doktor tekhn. nauk, otv. red.

[Scientific principles for the design of coal mines for the mining of flat seams] Nauchnye osnovy proektirovaniia ugol'nykh shakht dlia razrabotki pologikh plastov. Moskva, Izd-vo "Nauka," 1964. 447 p. (MIRA 17:6)

CHURILOV, A.A.; PAYZITEV, M.M.

Selecting efficient methods for the grouping of steep seams.
Izv. AN Uz. SSR. Ser. tekhn. nauk 8 no.3:74-80 '64.

(MIRA 17:11)

1. Institut gornogo dela imeni A.A. Skochinskogo Gosudarstvennogo
komiteta Soveta Ministrov SSR po toplivnoy promyshlennosti.

TAREYEV, Ye.M., prof., osv. red.; ANOCHIN, V.N., kand. med.
nauk, red.; ASTAPENKO, M.G., prof., red.; SIGIDIN, Ya.A.,
kand. med. nauk, red.; STRUKOV, A.I., prof., red.;
CHURILOVA, A.I., red.

[Current problems of rheumatology] Sovremennye problemy
revmatologii. Moskva, Meditsina, 1965. 243 p.
(MIRA 18:12)

1. Akademiya meditsinskikh nauk SSSR. Moscow. 2. Deystvi-
tel'nyy chlen AMN SSSR (for Tareyev).

CHURILOV, A. K.

Churilov, A. K.

"Investigation of certain problems in the dynamics of the pyysical properties of peat-bog soils of the lowland type with various degrees of decomposition of the organic substance (peat)." Acad Sci Belorussian SSR. Inst of Socialist Agriculture. Minsk, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences.)

Knizhnaya Letopis'

No. 25, 1956. Moscow.

SMOL'SKIY, N.V. [Smol'ski, N.V.]; SOKOLOV, V.S. [Sokolau, V.S.]; CHURILOV,
A.K. [Chulylau, A.K.]

Second seminar-conference on new ensilage plants. Vestsi AN
BSSR Ser. biial. nav. no.3:140-141 '64 (MIRA 18:1)

SMOL'SKIY, N.V.; SOKOLOV, V.S.; CHURILOV, A.K.

Second Seminar-Conference on New Silage Plants. Rast. res. 1
no.1:154-157 '65. (MIRA 18:6)

1. Tsentral'nyy botanicheskiy sad AN BSSR, Minsk.

CHURILOV, A.V.

SMORODINTSEV, A.A., AL'TSHULER, I.S., HUNAYEVSKIY M.I., KISILEV, M.V., CHURILOV, A.V.
DARKSHEVICH, V.

Prophylaxis of hemorrhagic Nephroso-Nephritis, Russian pamphlet (Etiologiya i Klinika
Gemorragicheskogo Nefrozo-Nefrita, pub by Medgiz, 1944
OTS 30,29 Apr 1952

CHURILOV, A. V.

Professor A. A. Smorodintsev, V. G. Chudakov, A. V. Churilov, Gemorragicheskiy nefroso-nefrit / Hemorrhagic Nephroso-Nephritis/, Medgiz, 8 sheets, 1953

The book elucidates the etiology, epidemiology, clinical practice, diagnosis, certain questions of the pathogenesis, and certain methods of therapy and prophylaxis of hemorrhagic nephroso-nephritis.

Intended for physicians and scientists studying virus diseases.

SO: U-6472, 23 Nov 1954

RYZHIKOV, I.Ye.: CHURILOV, A.V.

Stefan Valerianovich Viskovskii, obituary. *Zhur.mikrobiol.epid.i*
immun. no.12:83-85 D '53. (MLBA 7:1)
(Viskovskii, Stefan Valerianovich, 1892-1953)

Churilov, A.V.

CHURILOV, A.V.

Clinical characteristics and treatment of hemorrhagic fever. Sov.
med. 21 Supplement:4 '57. (MIRA 11:2)

1. Iz Voenno-meditsinskoy akademii imeni S.M.Kirova.
(HEMORRHAGIC FEVER)

I-57878-65 ZM(m)/ZNP(k)/ZNP(z)/ZNA(c)/ZNP(i)/ZNP(b)/T/ZNP(a)/ZNP(w)/ZNP(t)

AFS016937

TR 0004-00 01-0000 0000 0000
669.141061 0000

AUTHOR: Grebennikov, R. V.; Churkin, A. V.

TITLE: Effect of the crystallization⁴ speed and annealing on the plastic properties of high-boron steel

SOURCE: Atomnaya energiya, v. 18, no. 6, 1965, 644-646

TOPIC TAGS: stainless steel, boron¹ containing stainless steel, cast steel microstructure, cast steel plasticity, crystallization speed effect, rolled steel plasticity⁶

ABSTRACT: Stainless steel⁴ containing 0.03—0.05% C, 0.40—0.61% Si, 19.9—20.7% Cr, 14.5—17.9% Ni, and 1.86—2.35% B was cast at 1450—1500C in sand or in copper molds, the latter with a wall thickness of 20 mm. The ingots, 15 mm thick, were rolled at 1150—1200C to a thickness of 1—6 mm with a 0.2—1.0 mm reduction per pass, annealed at 1100C for 10 min and air cooled. Microscopic examination showed that the crystallization rate significantly affected the grain size and shape of the boride phase and the mechanical properties

Card 1/2

L-57878-65

ACCESSION NR: AP5016937

of cast metal. The average thickness of borides crystallized in sand molds was 10 μ , while borides crystallized in copper molds were 0.5—3.0 μ thick. This fragmentation of the boride component sharply increased the steel ductility. Sheets, 1 mm thick, without edge cracks and tears were successfully rolled only from ingots cast in copper molds. The difference in the size of boride grains in the central portion of the ingot had no adverse effect on the ductility of ingots. The size of boride grains in the central portion of the ingot was the same as their size in the initial ingots. However, the size of boride grains in copper molds had finer boride grains. Subsequent high-temperature annealing improved the microstructure and plastic properties of the steel. Annealing also improved the mechanical properties of the steel.

ABSTRACT: none

DATE: 04Apr64

ENCL: 00

DATE: 04Apr64

DATE: 000

OTHER: 002

DATE: 0044

Card 272

USSR/Miscellaneous - Mail delivery

Card 1/1 Pub. 133 - 16/23

Authors : Churilov, D. M., Chief of Mail Hauling and Distributing Office of the Kharkov
RR Station

Title : Mechanization of production procedures in the mail hauling and distributing office at the Kharkov RR Station

Periodical : Vest. svyazi 8, 23-24, Aug 1954 .

Abstract : The gradual reconstruction and mechanization of the mail-hauling and distributing facilities at the Kharkov RR Station is described. Details on the type (and number) of mechanized vehicles, elevators and conveyors, used for trucking and hauling the outgoing mail to the trains, are given.

Institution : ...

Submitted : ...

CHURILOV, F.L.

Metastases from breast cancer to the skeleton. Trudy TSentr. Nauch.-
issl. inst. rentg. i rad. 10:154-159 '59. (MIRA 12:9)
(BONES--CANCER) (BREAST)

L 7020-65 EMT(1)/K/EEC(b)-2 IJP(c)/BSD/AFWL/AFETR/AEDC(a)/AS(mp)-2/ASD(a)-5/
SSD/ESD(t)/RAEM(t) GG
ACCESSION NR: AP4045285

S/0057/64/034/009 1709/1711

Verkin, B. I.; Dmitrenko, I. M.; Dmitriyev, V. M.;
Churilov, G. Ye.; Mende, F. F.

TITLE: Three-centimeter superconducting resonant cavity

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 34, no. 9, 1964, 1709-1711

TOPIC TAGS: resonant cavity, superconducting cavity, superconductiv-
ity, superconducting lead, lead, lead resonant cavity, microwave
cavity, high Q cavity, particle accelerator

ABSTRACT: A superconducting resonant cavity operating in the E₀₁₂
mode has been investigated as a high-Q element applicable to the pro-
cess of interaction between charged particles and the electromagnetic
field. The cylindrical cavity, 35 mm high and 45 mm in diameter, was
fabricated by simple machining of technical grade C-O brand lead. No
special surface finishing was necessary. The coupling to the measur-
ing circuit was designed to ensure the best approximation of the
readings to the true internal Q-factor of the cavity. The latter, ob-
tained by measuring the attenuation decrement, reached $5 \cdot 10^6$ at 4.2 K.

Card 1/2

L 7020-65

ACCESSION NR: AP4045285

The authors anticipate the use of these simple devices as microwave frequency stabilizers, for precise measurements of ϵ and μ at helium temperatures, in resonance wavemeters, filters, frequency standards, etc., and in the construction of small and economical continuous-wave accelerators. Orig. art. has: 2 formulas and 1 figure.

ASSOCIATION: Fiziko-tekhnichesky institut nizkikh temperatur AN UkrSSR
Khar'kov (Physicotechnical Institute of Low Temperatures, AN UkrSSR)

076004

ATD PRESS: 3108

ENCL: 01

016 0000 SC, EM

NO REF SOV: 004

OTHER: 001

Card 2/2

CHURILOV, I.P.

AUTHOR: Churilov, I.P. (Senior rolling-mill operator of the
~~450-mill~~). 130-5-17/22

TITLE: The 450-Mill team improve the organisation of their
work. (Brigada stana 450 uluchshayet organizatsiyu
truda).

PERIODICAL: "Metallurg" (Metallurgist) 1957, No.5, p.35 (USSR).

ABSTRACT: Some notes are given of organisation at the 450-mill at
the "Serp i Molot" works rolling medium sections of
stainless steel, heat resisting alloys, ball-bearing
and high-alloy steels. A brief meeting is held be-
fore starting work and there is a strict division of
responsibility between the members of the team. This
has enabled appreciable savings of time to be achieved
in mill-setting and roll-changing. Training of re-
placement personnel has also been carried out energet-
ically. There is 1 figure.

Card 1/1

ASSOCIATION: "Serp i Molot" Works. (Serp i Molot).

AVAILABLE:

CHURILOV, M. F.

TRBT'YAKOV, A.D., kand. tekhn. nauk; CHURILOV, M.F., inzh.; YAKOVLEV, V.F.,
kand. tekhn. nauk.

Experience with maintenance of switch boxes. Put' i put. khos. no.10:
27-30 0 '57.

(MLRA 10:11)

(Railroads--Switches)

DOLININ, G.F.; KOBIRINSKIY, I.I., inzh.; FALEYEV, N.A.; CHURILOV, M.F.

Leveling out track located on heaving soils. Put' i put. khoz. no.2:
6-7 F '58. (MIRA 11:3)

1. Starshiy dorozhnyy master Mginskoy distantzii, Oktyabr'skoy dorogi
(for Dolinin). 2. Nachal'nik Mginskoy distantzii, Oktyabr'skoy dorogi
(for Kobirinskiy). 3. Starshiy inzhener Mginskoy distantzii Oktyabr'-
skoy dorogi (for Faleyev). 4. Glavnyy inzhener sluzhby puti Mginskoy
distantzii Oktyabr'skoy dorogi (for Churilov).
(Railroads--Track)

CHURILOV, M.F.

Electric power lines are being constructed along railroad runs.
Put' 1 put. khaz. no. 7:4-5 J1 '58. (MIRA 11:7)

1. Glavnyy inzhener sluzhby puti, g. Leningrad.
(Railroad--Track)
(Electric lines)

CHURILOV, M.F.

Automatic equipment used at crossings. Put' 1 put.khoz. no.12:30-
31 D '58. (MIRA 12:1)

1. Glavnyy inzh. sluzhby puti, Leningrad.
(Railroads--Equipment and supplies) (Railroads--Crossings)

ALEKSEYEVSKIY, K., podpolkovnik; CHURILOV, V., polkovnik

From the experience of political training of officers. Komm.
Vooruzh. Sil 46 no.11:65-69 Je '65.
(MIRA 18:6)

SMIRNOVA, I.N.; BALEZIN, S.A.; GOLOVANOV, K.N.; Prinimali uchastiye:
DEM'YANOV, L.A.; TURKEVICH, A.I.; VCROB'YEV, P.I.; FEDOTOV, V.S.;
CHURILOV, Ye.M.

Effect of organic additives in fuel on the corrosion and wear
of internal combustion engines. Uch. zap. MGPI no.146:127-146
'60. (MIRA 15:4)
(Gas and oil engines--Corrosion) (Addition reactions)

LEBEDEV, V.L.; VIRGIL'YEV, Yu.S.; SUBBOTIN, O.A.; CHURILOV, Yu.S.

Changes in the submicroporosity of a thermoanthracite base
material depending on the temperature of heat treatment.
Konstr. uglegraf. mat. no.1:237-242 '64.

(MIRA 17:11)

"APPROVED FOR RELEASE: 06/12/2000

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APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509130002-1"

AT 10 3518

are closed while the others are open. At the same time, tempera-

SUBMITTED: 20Dec63

ENCL: 00

SUB: 100 100, 100

NO REF SOV: 006

OTHER: 005

CHURILOVA, A.A.

SMORODINTSEV, A.A.; ALEKSEYEV, B.P.; GULAMOVA, V.P.; DROBYSHEVSKAYA, A.I.;
IL'YENKO, V.I.; KLENOV, K.N.; CHURILOVA, A.A.

Epidemiologic characteristics of biphasic virus meningo-encephalitis. Zhur.
mikrobiol.epid. i immun. no.5:54-59 My '53. (MLA 6:8)

1. Otdel virusologii Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR i tulyaremiynoy stantsii.
(Brain--Inflammation) (Meningitis)

KUZNETSOVA, R.I.; CHURILOVA, A.A.

Result of the organization of preventive measures in foci of
biundulant meningoencephalitis. Zhur.mikrobiol., epid. i immun. 27
no. 8:51-54 Ag '56. (MLRA 9:10)

1. Iz Leningradskoy oblastnoy sanitarno-epidemiologicheskoy stantsii
(MENINGITIS, EPIDEMIC, prevention and control,
eradication of foci of diphasic tick-born meningo-
encephalitis (Rus))

KUZNETSOVA, R.I.; SUKHOMLINOVA, O.I.; CHURILOVA, A.A.

Nature of diphasic meningoencephalitis in Leningrad Province.
Zhur.mikrobiol.epid.i immun. 31 no.2:56-61 F '60.

(MIRA 13:6)

1. Iz Leningradskoy oblastnoy sanitarno-epidemiologicheskoy
stantsii.

(ENCEPHALITIS EPIDEMIC)

SOV/16-60-2-10/35

17(2,6)

AUTHORS: Kuznetsova, R.I., Sukhomlinova, O.I., Churilova, A.A.

TITLE: The Nature of Biphasic Meningo-encephalitis in the Leningrad Oblast'

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1960, Nr 2, pp 56 - 61 (USSR)

ABSTRACT: The article collates the results of an 8-year study of the epidemiological and parasitological features of tick-borne encephalitis and biphasic meningo-encephalitis in the Leningrad Oblast'. The investigations were carried out by associates of the Leningradskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya (Leningrad oblast' Sanitary and Epidemiological Station.) The clinical, epidemiological and parasitological features clearly distinguish tick-borne encephalitis from biphasic meningo-encephalitis. Tick-borne encephalitis is of a distinct seasonal nature, caused by the period of activity of its vector, the tick Ixodes persulcatus. The disease is manifest in individual, unconnected sporadic cases and its sole agency of transmission is bite from or contact with Ixodes persulcatus. It is partly an occupation disease, the largest group being forestry workers (20.7% of the total incidence). The age of the patients varies from 21 - 29 years. For biphasic meningo-

Card 1/2

SOV/16-60-2-10/35

The Nature of Biphaseic Meningo-encephalitis in the Leningrad Oblast'

encephalitis, however, the main vector is the tick *Ixodes ricinus* and the seasonal nature of the disease is accounted for by the period of activity of this tick. The incidence is of the family or group type and the main path of transmission is the consumption of unboiled milk from sick goats or by the bite of *Ixodes ricinus*. The main sufferers are farm workers and their families; forestry workers account for 7.9% of the total incidence. Most susceptible are children between the ages of 1 and 15 years. The data confirm the hypothesis that tick-borne encephalitis and biphaseic meningo-encephalitis are two separate nosological entities. There are: 3 diagrams, 1 table and 7 Soviet references.

ASSOCIATION: Leningradskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya (Leningrad Oblast' Sanitary and Epidemiological Station)

SUBMITTED: February 19, 1959

Card 2/2

PARFANOVICH, M.I.; SOKOLOV, N.N.; CHURILOVA, A.A.; YAGODINSKIY, V.N.; PCHELKINA, A.A.; KORENBERG, E.I.; LOKHOVA, S.V.

Reviews. Vop. virus. 10 no.2:241-245 Mr-Apr '65,

(MIRA 18:10)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva (for Parfanovich, Sokolov).
2. Leningradskaya oblastnaya sanitarnaya epidemiologicheskaya stantsiya (for Churilova, Yagodinskiy).
3. Institut epidemiologii i mikrobiologii imeni N.F.Gamalei AMN SSSR, Moskva (for Pchelkina, Korenberg).
4. Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov (for Lokhova).

SYRNEV, Vasilii Mikhaylovich; CHURILOVA, A.I., red.

[Early diagnosis by physical methods under conditions of
the district physician's service] Ranniaia diagnostika
fizicheskimi metodami v usloviakh vrachebnoi uchastkovoi
sluzhby. Izd.2. Moskva, Meditsina, 1965. 98 p.
(MIRA 18:1)

NIKOLAYEV, O.V.; MEN'SHIKOV, V.V.; KALININ, A.P.; ZHDANOVA, S.M.;
BOL'SHAKOVA, T.D.; GERASIMENKO, P.P.; CHURILOVA, A.I.,
red.

[Pheochromocytoma] Feokhromotsitoma. [By] O.V.Nikolaev
i dr. Moskva, Meditsina, 1965. 235 p. (MIRA 18:2)

TEODORI, Mil'tiad Ivanovich; CHURILOVA, A.I., red.

[Chronic septic endocarditis (endocarditis septica lenta)]
Zatiaznoi septicheskiĭ endokardit (Endocarditis septica
lenta). Moskva, Meditsina, 1965. 282 p. (MIRA 18:6)

RATNER, Nina Aleksandrovna; BOGOSLAVSKIY, V.A., red.; CHURILOVA,
A.I., red.

Diseases of the kidneys and hypertension] Bolezni pochek
i gipertonii. Moskva, Meditsina, 1965. 382 p.
(MIR 18:1)

CHURILOVA, A. M.

"Application of the Combing Machines of the Plant imeni Engels for Processing Flax Combing and Short Fiber." Thesis for degree of Cand Technical Sci Sub 16 Feb 50, Moscow Textile Inst

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

SAMOKHVALOV, L.A.; CHURIKOVA, L.V.; SMOLENSKAYA, N.M.

Polarographic determination of dissolved oxygen and the intensity of respiration in micro-organisms by means of a rotating platinum electrode. Lab. delo no. 8:494-496 '64. (MIRA 17:12)

1. Institut epidemiologii i mikrobiologii im. N.F.Gamalei AMN SSSR, Moskovskiy zavod meditsinskikh preparatov No. 2 i Moskovskiy khimiko-farmatsevticheskiy zavod im. Karpova.

CHURILOVA, T.I.

Determining the oil content of small seeds. Masl. -zhir.prom.22
no.8:21-22 '56. (MLRA 10:1)

1. Shcherbakovskiy maslosavod.
(Oilseeds--Analysis)

CHURILOVA, V.V.

Two-hundred and fiftieth anniversary of M.V. Lomonosov's
birth. Avtom. svar. 14 no.11:95-96 N '61. (MIRA 14:10)
(Lomonosov, Mikhail Vasil'evich, 1711-1765)

GRANOVSKIY, Grigoriy Moiseyevich; FEL'DMAN, Yakov Iosifovich; CHURILOVICH,
L.M., red.; EVENSON, I.M., tekhn.red.

[Accounting in ferrous metals plants] Dukhobiterskii uchet na
zavodakh chernoi metallurgii. Moskva, Gos.nauchno-tekhn.isd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1960. 111 p.
(MIRA 13:12)

(Steel industry--Accounting)

PHASE I BOOK EXPLOITATION

SOV/4406

Churilovich, Lev Mikhaylovich

Uchet proizvodstva i kal'kulyatsiya v tsvetnoy metallurgii (Production Accounting and Estimates in Nonferrous Metallurgy) Moscow, Metallurgizdat, 1960. 304 p. 2,200 copies printed.

Ed.: B.Ye. Lichman; Ed. of Publishing House: A.I. Brushteyn; Tech. Ed.: P.G. Islent'yeva.

PURPOSE: This book is intended as a practical textbook for accounting, bookkeeping, and planning personnel and for engineers and technicians in nonferrous metallurgy plants who wish to improve their knowledge of economics.

COVERAGE: The book describes fundamental problems in accounting methods for manufacturing outlays and for estimating production costs in nonferrous metallurgy. Basic organizational aspects of manufacturing outlays in copper-smelting, lead, zinc, aluminum, and other branches of nonferrous metallurgy are discussed. Recommendations are given which, it is claimed, may help make accounting and cost-estimating more uniform in major branches of nonferrous metallurgy. No personalities are mentioned. There are no references.

Card ~~1/5~~

SUKHANOV, Nikolay Ivanovich; CHURILOVICH, L.M., red.; KOVALEVSKIY,
M.A., red. izd-va; OBUKHOVSKAYA, G.P., tekhn. red.

[How to organize business accounting in workshops and
brigades]Kak organizovat' khoziaistvennyi raschet v tse-
khakh i brigadakh. Moskva, Metallurgizdat, 1962. 55 p.
(MIRA 15:10)

(Steel industry)

Chernobyl'skiy

BARDIN, Anatoliy Nikolayevich; GLEZAROVA, I. L., redaktor; SARKIN, I. G.,
zasluzhennyy deyatel' nauki, professor, redaktor; MEDVEDEV, N. M.,
kandidat khimicheskikh nauk, redaktor; IVANOV, L. V., inzhener,
redaktor; CHURILOVSKIY, V. N., doktor tekhnicheskikh nauk, pro-
fessor; KAPOSTINA, T. P., kandidat tekhnicheskikh nauk, dotsent;
ROMANOVA, L. V., Kandidat tekhnicheskikh nauk, dotsent; BOKIN, P. Ya.,
inzhener; POLLYAK, V. V., kandidat tekhnicheskikh nauk, redaktor;
PANOVA, L. Ya., tekhnicheskiy redaktor.

[Technology of optical glass] Tekhnologiya opticheskogo stekla.
Moskva, Gos. izd-vo lit-ry po stroitel'nyy materialam, 1955. 494 p.
(Glass, Optical) (MLRA 9:1)

SOV/146-1-1-22/22

AUTHOR: Churilovskiy, V.N., Doctor of Technical Sciences,
Professor

TITLE: J.Textereau: Telescopes of the Cassegrain Type (Tele-
skopy tipa Kassegrena)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy -
Priborostroyeniye, 1958, Nr 1, p 135 (USSR)

ABSTRACT: The paper describes the article by J.Textereau: "Les
Telescopes du type Cassegrain", Astronomic, 1956.

Card 1/1

SOV/146-1-1-21/22

AUTHOR: Churilovskiy, V.N., Doctor of Technical Sciences,
Professor

TITLE: L.Oterma, "Research into Telescopes with a Correction
Plate" (Issledovaniye teleskopov s korrektsionnoy
plastinkoy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy -
Priborostroyeniye, 1958, Nr 1, p 135 (USSR)

ABSTRACT: The article describes the article by L.Oterma;
"Recherches portant sur des telescopes pourvus d'une
lame correctrice" Turun yliopiston julkaisuja, 'univ
Turku, 1955.

Card 1/1

SOV/146-1-1-20/22

AUTHOR: Churilovskiy, V.N., Doctor of Technical Sciences,
Professor

TITLE: G.Manville, Mirrors for Large Astronomical Telescopes
(Zerkala bol'shikh astronomicheskikh teleskopov)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy -
Priborostroyeniye, 1958, Nr 1, p 135 (USSR)

ABSTRACT: This is a review of the article "Mirrors for Large
Astronomical Telescopes" published in the Journal of
the Society of Glass Technology, 1956.

Card 1/1

CHURILOVSKIY, V.N., doktor tekhn.nauk, prof.

Astronomical mirror objectives based on the use of plane mirrors.

Izv. vys. ucheb.zav.; prib. no.2:102-113 '58.

(MIRA 11:7)

1.Leningradskiy institut tochnoy mekhaniki i optiki.
(Telescope, Reflecting)

CHURILOVSKIY, V.M., prof. ; KHALILULIN, K.A.

Theory and study of aplanatic compensators used in interferometers.

Opt.-mekh. prom. 25 no. 2:5-8 P '58.

(MIRA 11:7)

(Interferometer)

PHASE I BOOK EXPLOITATION

SOV/369

Churilovskiy, Vladimir Nikolayevich

Obshchaya teoriya opticheskikh priborov (General Theory of Optical Instruments)
Moscow, Mashgiz, 1960. 140 p. Errata slip inserted. 5,000 copies printed.

Reviewer: G. Ye. Skvortsov, Engineer; Ed.: L. V. Romanova, Candidate of Technical
Sciences, Docent; Ed. of Publishing House: N. Z. Simonovskiy; Tech. Ed.:
A. I. Kontorovich; Managing Ed. for Literature on the Design and Operation of
Machines (Leningrad Division, Mashgiz): F. I. Petisov, Engineer.

PURPOSE: This booklet is intended for those engaged in the manufacture of optical
instruments, amateur photographers, and other persons who use optical
instruments.

COVERAGE: The author discusses the design and characteristics of optical instruments.
Problems of the limitation of light beams in optical instruments, perspective,
and the use of an optical instrument with the human eye are also covered.
Specific instruments are discussed only to illustrate basic principles. No
personalities are mentioned. There are no references.

Card 1/3

General Theory of Optical Instruments

SOV/3869

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Card 2/3

General Theory of Optical Instruments

SOV/3869

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AVAILABLE: Library of Congress

Card 3/3

JA/edw/fal
8-5-60

3(1)

S/146/60/003/01/010/016
D002/D006

AUTHOR: Churilovskiy, V.N., Doctor of Technical Sciences, Professor

TITLE: The Theory of a Three-Mirror [✓]Astronomical Objective

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye, Vol 3, 1960, Nr 1, pp 69-76 (USSR)

ABSTRACT: The author discusses the results of an investigation with three-mirror objectives and compares them to the Cassegrainian objective still used in the Palomar telescope in the U.S. A., and which will be used in the new Soviet telescope being built now. The historical development of the objective is briefly mentioned, and it is pointed out that three-mirror objective systems were considered by Picht (Russian transliteration), Mersenne, and L.V. Romanova but then neglected. It is concluded that the proposed three-mirror objective should be used in large astronomical telescopes instead of two-mirror objectives. The article was recommended by the Kafedra teorii opticheskikh priborov (Chair of Optical Instrument Theory). There are 2 diagrams.

Card 1/2

S/146/60/003/01/010/016
D002/D006

The Theory of a Three-Mirror Astronomical Objective

ASSOCIATION: Leningradskiy institut tochnoy mekhaniki i optiki (Leningrad
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Some optical instruments designed by M.V.Lomonosov. Izv.vys.ucheb.
zav.; prib. 4 no.5:25-31 '61. (MIRA 14:10)

1. Leningradskiy institut tochnoy mekhaniki optiki.
(Lomonosov, Mikhail Vasil'evich, 1711-1765)

KRUPP, Naum Yakovlevich; CHURILOVSKIY, V.N., doktor tekhn. nauk, prof., retsenzent; BUDINSKIY, A.A., inzh., red.; CHFAS, M.A., red. izd-va; DENINA, I.A., red. izd-va; PETERSON, M.M., tekhn. red.

[Optical and mechanical measuring instruments] Optiko-mekhanicheskie izmeritel'nye pribory. Moskva, Mashgiz, 1962. 275 p. (MIRA 15:8)

(Optical instruments)